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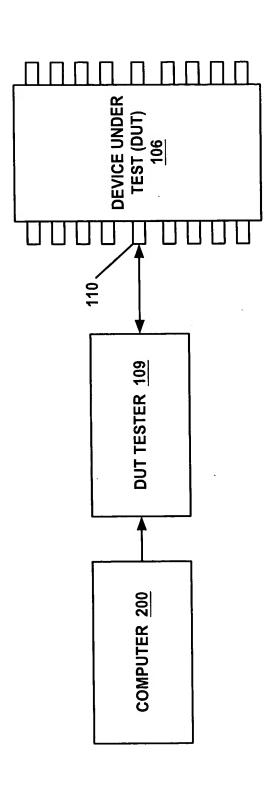
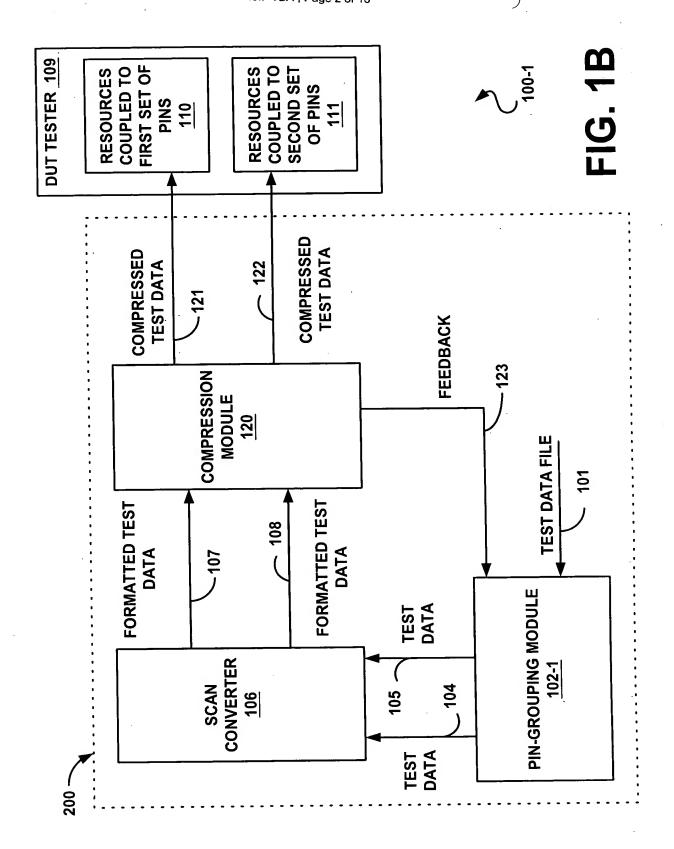


FIG. 1A

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Sys.&Meth.for Adaptively Compressing Test Data Inventor(s): Hildebrant, et al.
Ser. No.: TBA; Page 3 of 16 FIG. 1C **DUT TESTER 109** COUPLED TO FIRST SET OF PINS COUPLED TO RESOURCES RESOURCES **SECOND SET OF PINS** 110 COMPRESSED TEST DATA COMPRESSED - 122 **TEST DATA** -121 **FEEDBACK** 123 COMPRESSION MODULE 120 **TEST DATA FILE** 101 **FORMATTED TEST** FORMATTED TEST 108 DATA INFORMATION DATA GROUPING PIN-GROUPING MODULE NFORMATION 103 PIN GROUPING SCAN CONVERTER 102-2 101 106 103 **TEST DATA**

200 ~

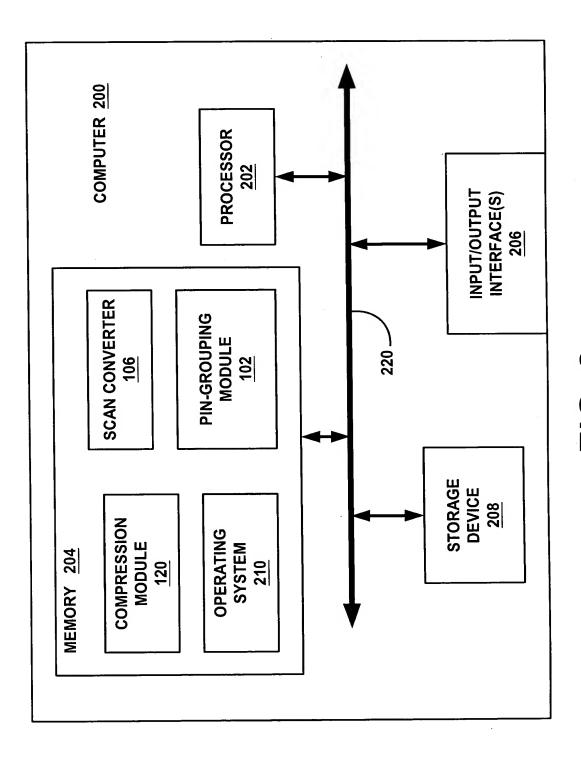


FIG. 2

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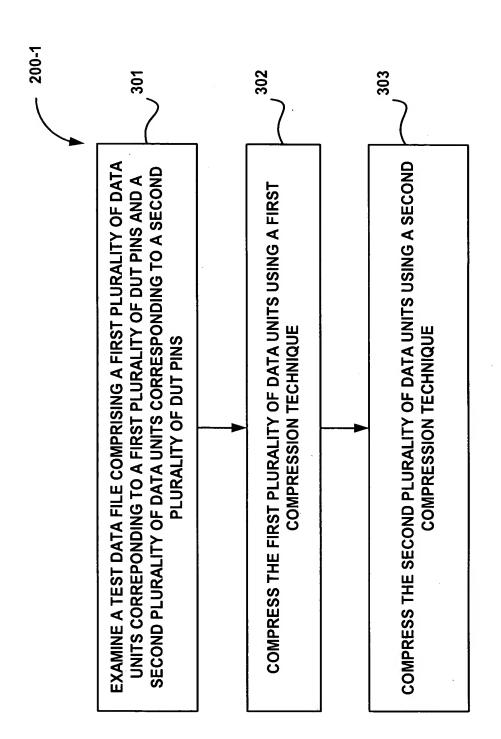


FIG. 3

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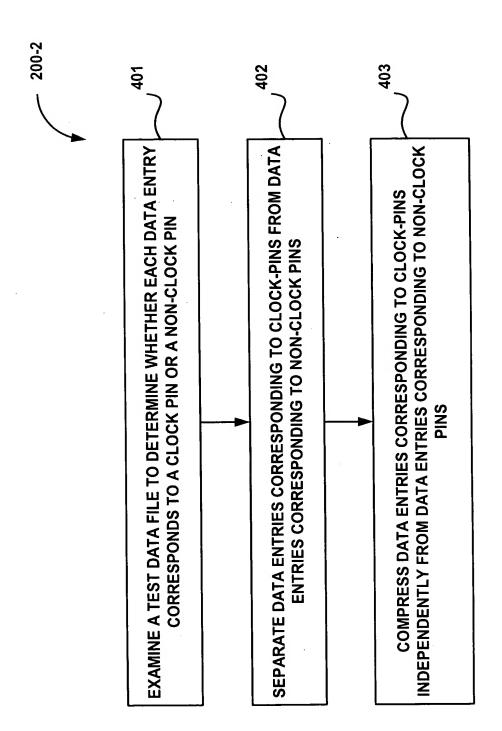


FIG. 4A

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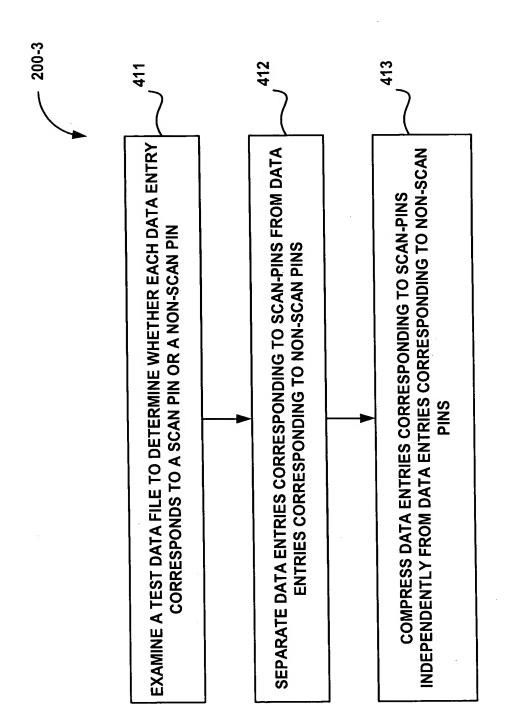


FIG. 4B

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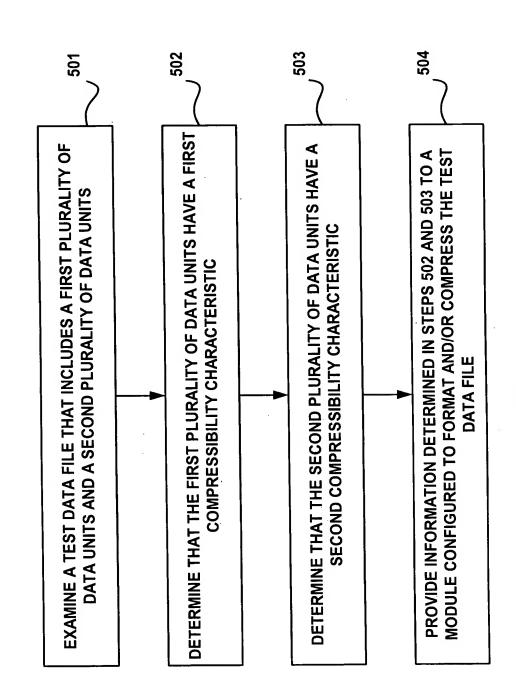


FIG. 8

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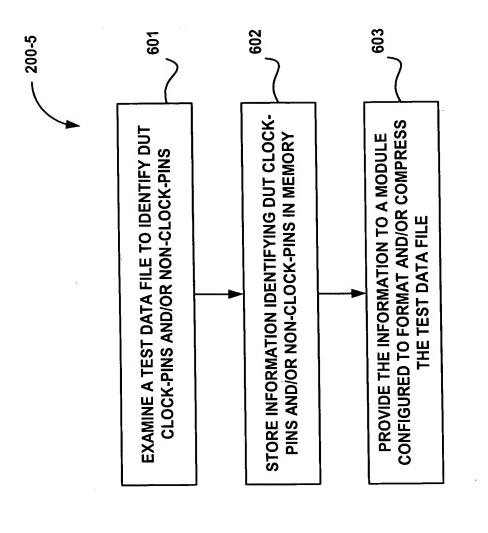
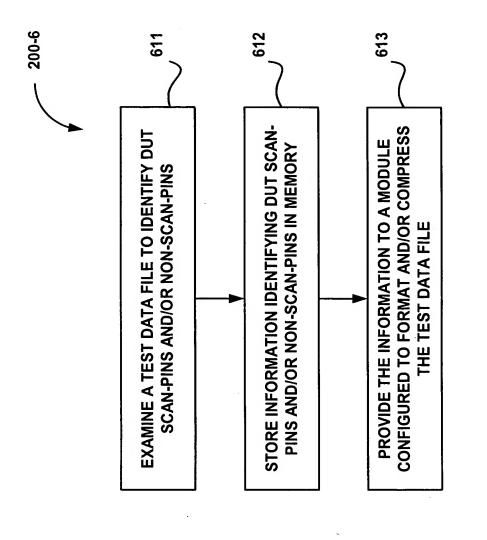


FIG. 6A

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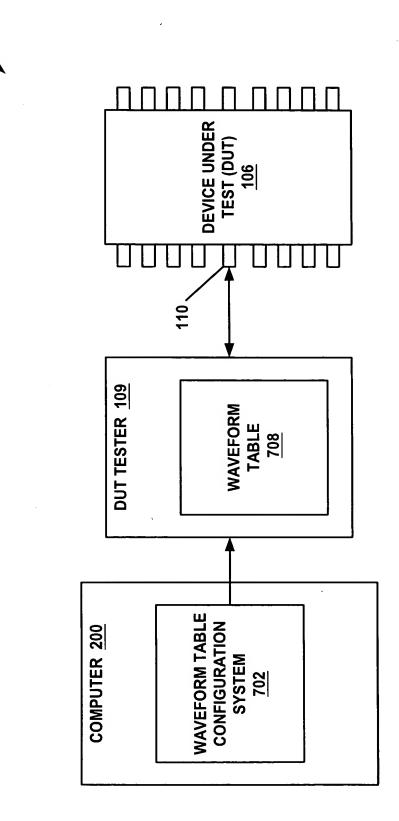
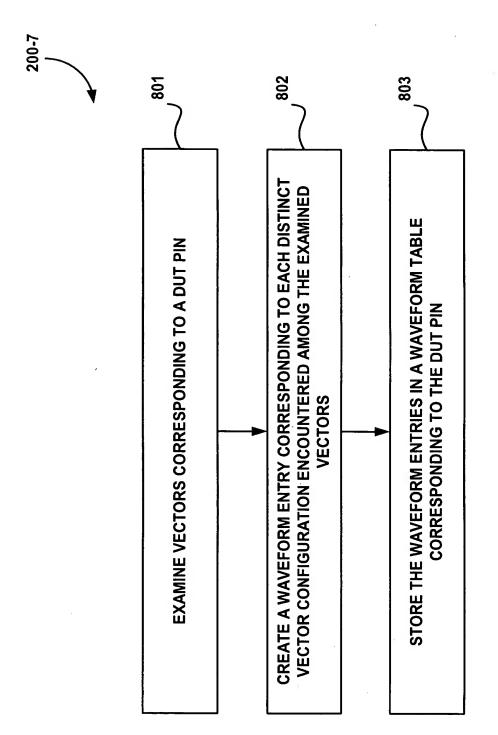


FIG. 7

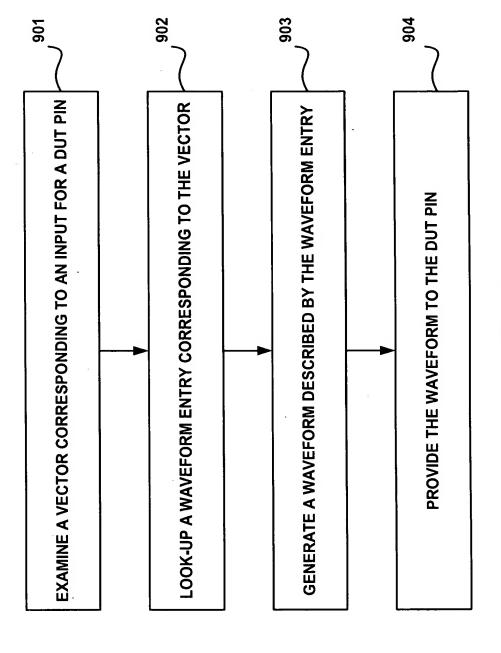
Sys.&Meth.for Adaptively Compressing Test Data Inventor(s): Hildebrant, et al. Ser. No.: TBA; Page 12 of 16

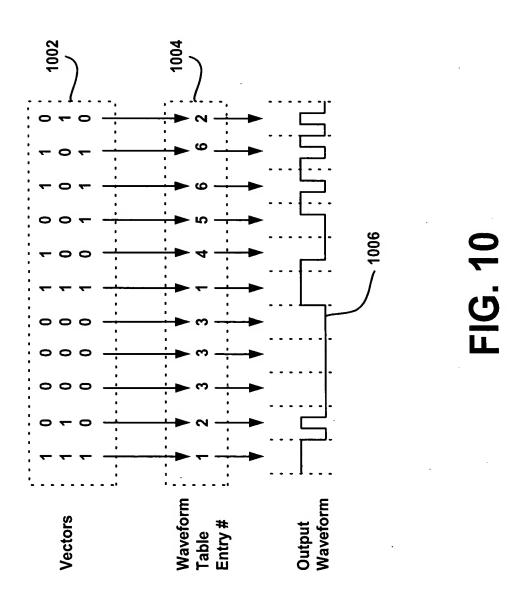


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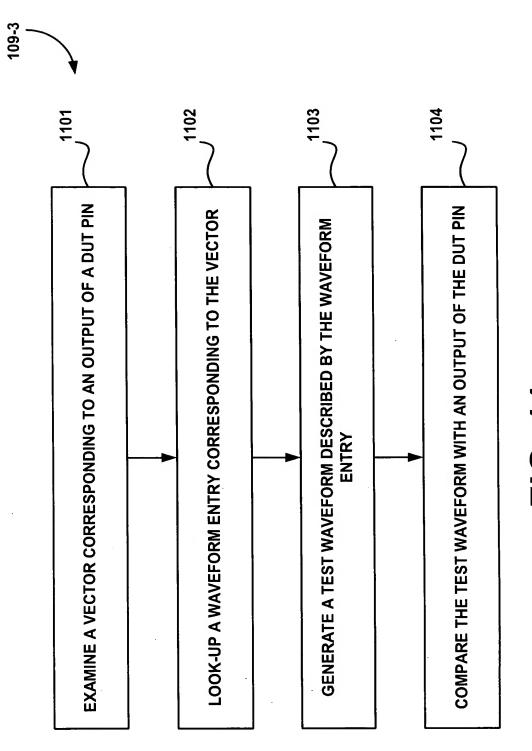


FIG. 11

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